

How Do I Register My C-Band Receive Only Earth Station(s) in the International Bureau Filing System (IBFS)?

This presentation will:

1. Provide brief background material on the ongoing *Mid-band Proceeding* and the earth station filing freeze and filing window;
2. Discuss how to submit an application to register a C-Band 3700-4200 MHz receive only earth station under 1 call sign at 1 location and consisting of 1 antenna;
3. Discuss how to submit an application to register a C-Band 3700-4200 MHz receive only earth station under 1 call sign at 1 location and consisting of many antennas; and
4. Answer questions.

Mid-band NOI and 3.7-4.2 GHz Freeze

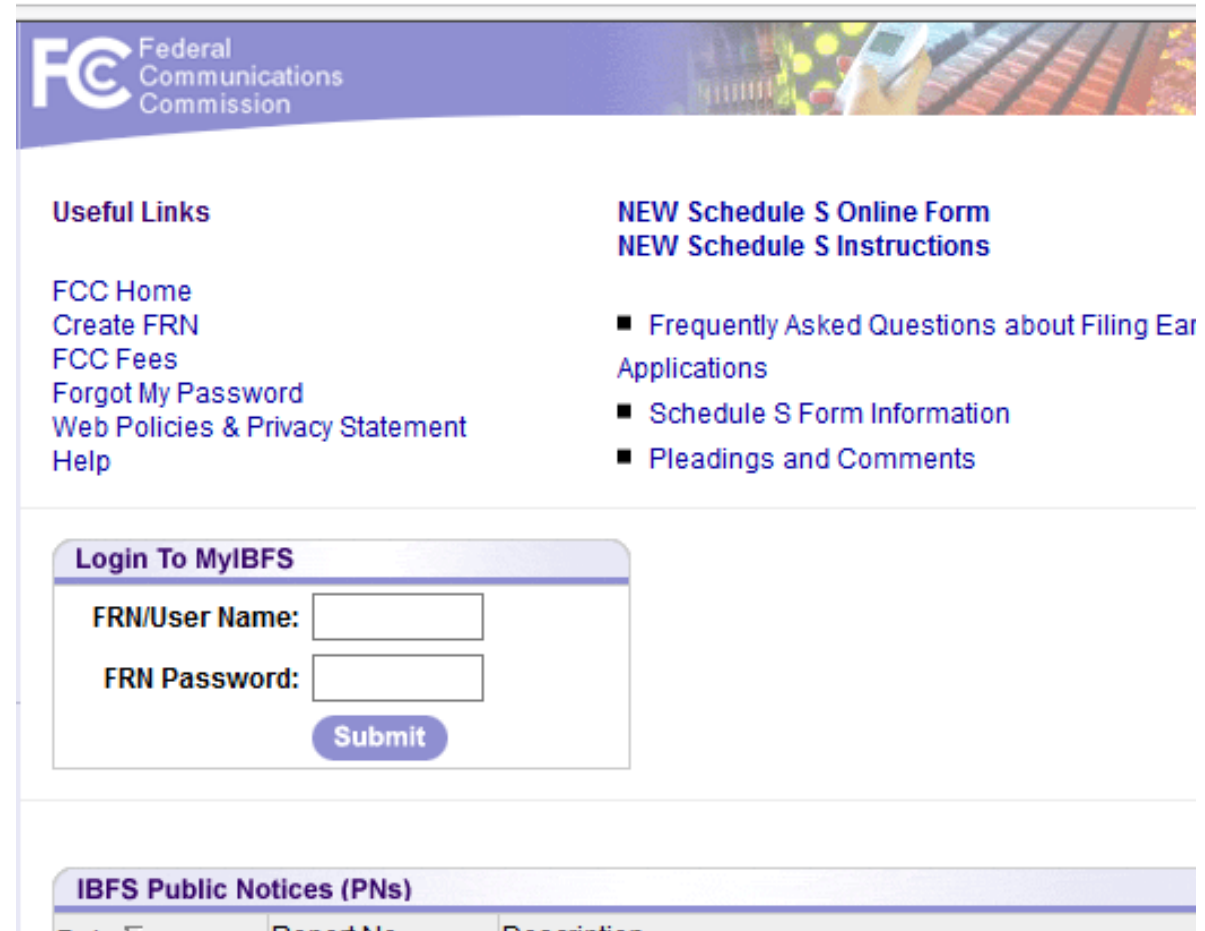
- Background
 - Congress and the Commission have noted a need for additional spectrum for wireless broadband services, including 5G.
 - Recently enacted MOBILE NOW Act directs the Commission to evaluate use or shared use of licensed or unlicensed services in the 3.7-4.2 GHz band, currently shared between fixed satellite service (FSS) (space to Earth) and Fixed Service (FS).
 - Last year, the Commission issued a Notice of Inquiry on flexible use in between 3.7 GHz and 24 GHz. A Notice of Proposed Rulemaking is tentatively scheduled to be considered at the July Open Commission Meeting.
 - On April 19, 2018, the International, Wireless Telecommunications, and Public Safety and Homeland Security Bureaus released a public notice imposing a freeze on applications for operations of earth stations and fixed microwave links in the 3.7-4.2 GHz band, with some exceptions.

Scope of Freeze and Filing Window

- Scope of Earth Station Freeze
 - Applications for new or modified earth station licenses or registrations in 3.7-4.2 GHz band are subject to the freeze. Applications, or those portions of applications, requesting to operate in the 3.7-4.2 GHz band will be dismissed.
 - The freeze does *not* apply to applications for renewal of an existing authorization, cancellation of an existing authorization, or modification to correct inaccurate data in an existing authorization.
 - Applicants may request a waiver of the freeze, which will be assessed on a case-by-case basis.
- Scope of 90-day Filing Window
 - Applicants with existing earth stations (i.e. stations that were constructed and operational as of April 19, 2018) may file applications to license or register those earth stations in 3.7-4.2 GHz band.
 - The freeze PN granted a waiver of the coordination report normally required as part of an application for license or registration of an earth station.

Basic Process

- Preparation:
 - Determine earth station location
 - Determine satellite points of communication
 - Determine frequencies of operation
 - Determine transmitter power characteristics and receiver isolation requirements
 - Develop application details/exhibits.
 - Coordinates with terrestrial operators if any.
- Submit application for a License to transmit and receive to a satellite or a Registration to only receive signals from a satellite
 - File the application in [MyIBFS](#)
 - Pay for your filing or request a filing fee waiver.
 - Monitor your filing status



The screenshot shows the FCC's MyIBFS (Interactive Business Filing System) website. At the top is the FCC logo and the text "Federal Communications Commission". Below this is a banner image showing a hand holding a mobile phone. The main content area is divided into two columns. The left column, titled "Useful Links", contains links to "FCC Home", "Create FRN", "FCC Fees", "Forgot My Password", "Web Policies & Privacy Statement", and "Help". The right column, titled "NEW Schedule S Online Form" and "NEW Schedule S Instructions", contains links to "Frequently Asked Questions about Filing Ear Applications", "Schedule S Form Information", and "Pleadings and Comments". Below these links is a "Login To MyIBFS" section with two input fields: "FRN/User Name:" and "FRN Password:", followed by a "Submit" button. At the bottom is a section titled "IBFS Public Notices (PNs)" with a table that has columns for "PN No.", "Report No.", and "Description".

Federal Communications Commission

Useful Links

- FCC Home
- Create FRN
- FCC Fees
- Forgot My Password
- Web Policies & Privacy Statement
- Help

NEW Schedule S Online Form
NEW Schedule S Instructions

- Frequently Asked Questions about Filing Ear Applications
- Schedule S Form Information
- Pleadings and Comments

Login To MyIBFS

FRN/User Name:

FRN Password:

Submit

IBFS Public Notices (PNs)

PN No.	Report No.	Description
--------	------------	-------------

Getting Started

Go to : <http://licensing.fcc.gov/myibfs/>

To begin an application, enter your FRN & Password

If you do not have an FCC Registration Number, go to the FRN/CORES link in the left hand menu and register for one.

Additional information may be found at:

[Frequently Asked Questions about Filing Earth Station Applications](#)

The screenshot shows the MyIBFS website interface. The top navigation bar includes links for "Station...", "FCC Space Stations Approv...", "file:///C:/Users/Paul.BI...", "RED BOOK", "OFACS", "WEBTA Log In", "web side IBFS", "Log In", and "POLITICO F". The main content area is divided into several sections:

- QUICK SEARCH:** A search bar with a "Call Sign" dropdown and a "GO" button. Below it are links for "Advanced Search", "Yesterday's Filings", "Yesterday's Actions", "Pleadings and Comments", "SES Location Search", and "Quick Reports >>".
- Useful Links:** A list of links including "FCC Home", "Create FRN", "FCC Fees", "Forgot My Password", "Web Policies & Privacy Statement", and "Help".
- NEW Schedule S Online Form:** A link to "NEW Schedule S Instructions".
- NEW Schedule S Form Information:** A list of links including "Frequently Asked Questions about Filing Earth Station Applications", "Schedule S Form Information", and "Pleadings and Comments".
- Login To MyIBFS:** A login form with fields for "FRN/User Name:" and "FRN Password:", and a "Submit" button.
- FILE:** A section with links for "Using IBFS >>", "47 CFR@GPO.GOV", "Resources", and "Login".
- RELATED SYSTEMS:** A section with links for "FRN / CORES (FCC Registration Number)", "ASR (Antenna Structure Registration)", and "FCC E-Filing Systems (FCC Electronic filing Systems)".
- CONTACT US:** A section with links for "E-Mail Us" and "IBFS Contacts".
- IB Staff List:** A list of staff members including "Bureau Chief", "Telecommunications and Analysis Division", "Satellite Division", and "Global Strategy and Negotiation Division".
- Call Us:** A section with the "IBFS Help Line" number "202-418-2222" and the hours "Monday-Friday 8:30am-4:30pm".

At the bottom, there is a table titled "IBFS Public Notices (PNs)" with columns for "Date", "Report No.", and "Description". The table contains 15 rows of public notices, including actions taken and accepted for filing.

Date	Report No.	Description
05/11/2018	SAT01314	SAT Action Taken Public Notice
05/11/2018	SAT01316	SAT Accepted for Filing Public Notice
05/10/2018	TEL01906	TEL Action Taken Public Notice
05/09/2018	SES02060	SES Action Taken Public Notice
05/09/2018	SES02059	SES Accepted for Filing Public Notice
05/04/2018	SAT01315	SAT Accepted for Filing Public Notice
05/04/2018	TEL01905S	TEL Accepted for Filing Streamlined Public Notice
05/02/2018	SES02058	SES Action Taken Public Notice
04/27/2018	SAT01312	SAT Accepted for Filing Public Notice
04/27/2018	SAT01313	SAT Action Taken Public Notice
04/26/2018	SCL00212	SCL Action Taken Public Notice
04/26/2018	TEL01904	TEL Action Taken Public Notice
04/26/2018	IHF00145	IHF Action Taken Public Notice
04/25/2018	SES02056	SES Action Taken Public Notice
04/25/2018	SES02055	SES Accepted for Filing Public Notice

Select the type of application

- Select New Authorization (Form 312/Schedule B & S)
- Select “Go”

The screenshot shows the MyIBFS FCC website interface. The top navigation bar includes the MyIBFS logo, the FCC logo, and the text 'Federal Communications Commission'. A user greeting 'Welcome Paul Blais | Workspace | Outb...' is visible. The left sidebar contains sections for 'QUICK SEARCH' (with a 'Call Sign' dropdown and a 'GO' button), 'Advanced Search' (with links for 'Yesterday's Filings', 'Yesterday's Actions', 'Pleadings and Comments', 'SES Location Search', and 'Quick Reports >>'), 'FILE' (with links for 'Using IBFS >>', '47 CFR@GPO.GOV', 'Resources', and 'Logout'), and 'RELATED SYSTEMS' (with links for 'FRN / CORES (FCC Registration Number)', 'ASR (Antenna Structure Registration)', and 'FCC E-Filing Systems (FCC Electronic filing Systems)'). The main content area is titled 'Start New Application / Action' and displays a list of application types. The first item, 'Streamlined Authorization (Form 312 EZ)', is highlighted in blue. A red circle highlights the 'GO' button next to this item. Other items in the list include 'Satellite Earth Station', 'Streamlined Authorization (Form 312 EZ)', 'New Authorization (Form 312/Schedule B & S)', 'Amendment of Pending Application (Form 312/Schedule B & S)', 'Modification of Existing License (Form 312/Schedule B & S)', 'Renewal of License (Form 312 R)', 'Request for Special Temporary Authority (STA)', 'Transfer of Control/Assignment of License (Form 312/Schedule A)', 'Satellite Space Station', 'New Authorization (Form 312/Schedule S)', 'Amendment of Pending Application (Form 312/Schedule S)', 'Modification of Existing License (Form 312/Schedule S)', 'Transfer of Control/Assignment of License (Form 312/Schedule A)', 'Milestone or Bond Submission', 'Request for Special Temporary Authority (STA)', and 'International Telecommunications'. A vertical sidebar on the right contains links for 'S Filings' and 'Status'.

Form 312 questions 1-16

- Verify the name of the Company, address and other information in 1-8. Edit available fields, if needed.
- If pre-filled, verify the information in 9-16. Edit available fields, if needed.
- If not pre-filled, fill in the point of contact who will answer questions about this application and license in 9-16

APPLICATION FOR EARTH STATION AUTHORIZATIONS	
FCC 312 MAIN FORM	
FOR OFFICIAL USE ONLY	
<div>Reset Validate Menu</div>	
APPLICANT INFORMATION	
Note: Use only standard punctuation. Please do not use special characters - such as ';' - in any of the fields below!	
Enter a description of this application to identify it on the main menu:	
Example RCV Only Earth Stations application	
1-8. Legal Name of Applicant	
Name:	Phone Number:
DBA Name:	Fax Number:
Street:	E-Mail:
City:	State:
Country:	Zipcode:
Attention:	
9-16. Name of Contact Representative	
Name:	Phone Number:
Company:	Fax Number:
Street:	E-Mail:
City:	State:
Country: USA	Zipcode:
Attention:	Relationship:

Form 312 question 17

Declare what type of application you are going to submit.

- On for a new license, or a new registration or a modification of a currently authorized license. In this example the applicant is applying to register an earth station
- If the applicant is paying a fee for this application, the fee classification code for a Registration is "CMO"
- The cost, as published under [FCC Fees](#) , [International Bureau](#) is \$435.00
- Note: if an applicant is modifying its registration to update its station authorization, use Fee Code CGO. Cost is \$200.00
- ... or ...

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b	
a. <input checked="" type="radio"/> a1. Earth Station (N/A) a2. Space Station	b. <input type="radio"/> b1. Application for License of New Station <input checked="" type="radio"/> b2. Application for Registration of New Domestic Receive-Only Station (N/A) b3. Amendment to a Pending Application (N/A) b4. Modification of License or Registration (N/A) b5. Assignment of License or Registration (N/A) b6. Transfer of Control of License or Registration (N/A) b7. Notification of Minor Modification (N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite (N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States <input type="radio"/> b10. Other (Please specify) <input type="text"/> <input type="radio"/> b11. Application for Earth Station to Access a Non-U.S. satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States.
17c. Is a fee submitted with this application? <input checked="" type="radio"/> If Yes, complete and attach FCC Form 159.	
If No, indicate reason for fee not submitted: <input type="radio"/> Governmental Entity () <input type="radio"/> Other (please explain):	
17d. Fee Classification	
18. If this filing is in reference to an existing station, enter: (a) Call sign of station: <input type="text"/> Not Applicable	

BAX - Fixed Satellite Transmit/Receive Earth Station	
BDS - Fixed Satellite Small Transmit/Receive Earth Station Lead Application	
CAS - Fixed Satellite Small Transmit/Receive Earth Station Routine Application	
CMO - Receive Only Earth Station	
BGV - Fixed Satellite VSAT System	
BGB - Mobile Satellite Earth Stations Blanket Authorization	
CYB - Mobile Satellite Earth Stations Individual Earth Station	
BGH - Radio Determination satellite Earth Stations Blanket Authorization	
BYH - Radio Determination satellite Earth Stations Individual Earth Station	

Establishing the Licensee Name and the Licensee point of contact.

- If, "... Contact Info is the same as... Applicants..." check the box and click the "PREFILL CORES DATA" button
- If applicant is not the same as the contact info and you checked the box, click "Reset", then click the "PREFILL CORES DATA" button

FCC - FCC Registration Num X

← → ↻ ⓘ Not secure | licensing.fcc.gov/cgi-bin/ws.exe/prod/ib/forms/pre_form.hts?calledBy=0&acct=456919&appn=0&formid=13

Federal Communications Commission

FCC REGISTRATION NUMBER INFORMATION

**IBFS Pre-Form Information
FOR OFFICIAL USE ONLY**

INSTRUCTIONS

If the Applicant does not have an FRN, [Register in CORES](#), or you can talk to a CORES administrator by calling FRN Help Line: 877-480-3201 (Mon.-Fri. 8 a.m.-6 p.m. ET).

1. Applicant

Please enter the Applicant's FRN — 0004336939 (Do not use dashes or hyphens when entering your FRN into any IBFS application.)

and

Password —

☒ If the Contact entity information is the same as the Applicant's, please check the box. If not, leave the box blank, then press the PREFILL CORES DATA button below.

PREFILL CORES DATA Reset

Form 312 question 17 (exemption)

- If you are claiming exemption of filing fees under Sec 1.1116 of the Commissions Rules (47 CFR 1.1116), indicate your reason.
- Use the appropriate fee code as published under [FCC Fees](#) , [International Bureau](#).

CLASSIFICATION OF FILING	
17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.	
a. <input checked="" type="radio"/> a1. Earth Station (N/A) a2. Space Station	b. <input type="radio"/> b1. Application for License of New Station <input checked="" type="radio"/> b2. Application for Registration of New Domestic Receive-Only Station (N/A) <input type="radio"/> b3. Amendment to a Pending Application (N/A) <input type="radio"/> b4. Modification of License or Registration (N/A) <input type="radio"/> b5. Assignment of License or Registration (N/A) <input type="radio"/> b6. Transfer of Control of License or Registration (N/A) <input type="radio"/> b7. Notification of Minor Modification (N/A) <input type="radio"/> b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite (N/A) <input type="radio"/> b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States <input type="radio"/> b10. Other (Please specify) _____ <input type="radio"/> b11. Application for Earth Station to Access a Non-U.S. satellite Not Currently Authorized to Pt
17c. Is a fee submitted with this application?	
<input type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input checked="" type="radio"/> Other (please explain): _____	
17d. Fee Classification CMO - Receive Only Earth Station	
18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending application enter:
(a) Call sign of station: _____	(a) Date pending application was filed: _____ (b) File number of pending application: _____
Not Applicable	Not Applicable

Form 312 questions 20-24

Fill out the “type of service” questions this way.

Note: See question 24. 24a is the appropriate answer. That is how most people answer it and that is what comes in on many of the previously filed Form 312 applications. 24c also works.

TYPE OF SERVICE	
20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s). Select all that apply:	
<input checked="" type="checkbox"/> a. Fixed Satellite	
<input type="checkbox"/> b. Mobile Satellite	
<input type="checkbox"/> c. Radiodetermination Satellite	
<input type="checkbox"/> d. Earth Exploration Satellite	
<input type="checkbox"/> e. Direct to Home Fixed Satellite	
<input type="checkbox"/> f. Digital Audio Radio Service	
<input type="checkbox"/> g. Other (please specify) <input type="text"/>	
21. STATUS: Choose the button next to the applicable status. Choose only one.	22. If earth station applicant, check all that apply:
<input type="radio"/> Common Carrier <input checked="" type="radio"/> Non-Common Carrier	<input checked="" type="checkbox"/> Using U.S. licensed satellites
	<input type="checkbox"/> Using Non-U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:	
<input type="radio"/> Connected to a Public Switched Network <input type="radio"/> Not connected to a Public Switched Network <input checked="" type="radio"/> N/A	
24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s):	
<input type="checkbox"/> a. C-Band (4-6 GHz) <input type="checkbox"/> b. Ku-Band (12-14 GHz)	
<input checked="" type="checkbox"/> c. Other (Please specify upper and lower frequencies in MHz.)	
Frequency Lower: 3700	Frequency Upper: 4200
(Please specify additional frequencies in an attachment.) <input type="button" value="Attachment"/>	

TYPE OF STATION

Form 312 questions 27-34

Question 28 is actually two questions. A. Is this earth station on an environmentally sensitive site? B. If your station transmits, have you completed a radiation hazard study and attached it to this application?

For questions 30-34, answer could also be N/A, but No works.

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an "X" in the box(es) next to all that apply.)

Not Applicable

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.

☐ Yes ☒ No

Attachment

ALIEN OWNERSHIP

Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34.

29. Is the applicant a foreign government or the representative of any foreign government?

☐ Yes ☒ No

30. Is the applicant an alien or the representative of an alien?

☐ Yes ☒ No ☐ N/A

31. Is the applicant a corporation organized under the laws of any foreign government?

☐ Yes ☒ No ☐ N/A

32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

☐ Yes ☒ No ☐ N/A

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

☐ Yes ☒ No ☐ N/A

34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote

Attachment

Form 312 questions 35-43

If you are seeking a waiver OTHER THAN the blanket waiver of the Frequency Coordination Requirement granted in the Public Notice (DA 18-398 (released April 19, 2018)), the answer to Q.35 may be 'YES'

BASIC QUALIFICATIONS	
35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	<input type="radio"/> Yes <input checked="" type="radio"/> No Attachment
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances.	<input type="radio"/> Yes <input checked="" type="radio"/> No Attachment
37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.	<input type="radio"/> Yes <input checked="" type="radio"/> No Attachment
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances.	<input type="radio"/> Yes <input checked="" type="radio"/> No Attachment
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.	<input type="radio"/> Yes <input checked="" type="radio"/> No Attachment
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.	Attachment
41. By checking Yes, the undersigned certifies, that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	<input checked="" type="radio"/> Yes <input type="radio"/> No
42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.	<input type="radio"/> Yes <input checked="" type="radio"/> No Attachment
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?	
43. Description. (Summarize the nature of the application and the services to be provided). tell us what this application is for. For example: Receive-only Earth station to operate with Permitted list satellites to receive broadcast services from the National Weather Service.	

Form 312 questions 43 a - 46

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.

☒ A

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.

☐ B

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

☐ C

Attachment

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

☒ Individual

☐ Unincorporated Association

☐ Partnership

☐ Corporation

☐ Governmental Entity

☐ Other (please specify)

45. Name of Person Signing

46. Title of Person Signing

Form 312 Schedule B

Once you have completed the Form 312 above, and have passed validation, you must complete the Form 312 Schedule B to describe the particulars of your earth station and operations.

<div>Form 312 Schedule B</div>	<div>Schedule S</div>
<p>By pressing this button, you will be sent to the technical data entry form for this earth station</p>	<p>Please attach your Schedule S.mdb File here. This form only permits you to attach one (1) Schedule S .mdb file to this application. If you have more than one Schedule S .mdb file to associate with this application, please file the form, then e-mail the additional Schedule S .mdb file(s) to IBFSINFO@fcc.gov, using the subject line of "Schedule S Attachment." Include the file number of the filed application in the body of the mail message. For SES-LFS-type applications (Applications for Earth Station to Access a Non-U.S. satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States), please attach the Schedule S .mdb file you completed for the foreign satellite with which you want to communicate, using the Schedule S software.</p>

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

Form 312 Schedule B Questions E1- E20

Question E18: If you do not have a frequency coordination report to submit No. If you do have one respond yes.

Validate the page.

Click on “Points of Communication” for this “Site Identifier”

Click on “Antenna” to describe the antennas at this site.

SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY
1 copy of this form section exist.

Approved by OMB
Control No. 3060-0678

SITE INFORMATION

E1: Site Identifier:
E2: Contact Name:
E3: Street:
E4: Zipcode:

Site A
Joe Blow
Willow
03102

E5: Call Sign:
E6: Phone Number:
E7: City:
E8: County:
E9: State:

123 456 7890
Manchester
Hillsborough
NJ

NOTE: The address requested here is for the earth station location - not your mailing address.

E10: Area of Operation: Manchester NH

E11: Latitude 42 ° 58 ' 26.7 " N E12: Longitude 71 ° 29 ' 6.7 W " W

E13: Lat/Lon. Coordinates are: ☐ NAD-27 ☐ NAD-83 ☒ N/A

E14: Site Elevation (AMSL): 0 meters

E15: If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy. ☒ Yes ☐ No ☐ N/A

E16: If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements? ☐ Yes ☐ No ☒ N/A

E17: Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. ☐ Yes ☒ No

E18: Is frequency coordination required? If YES, attach a frequency coordination report as ☐ Yes ☒ No

E19: Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as ☐ Yes ☒ No

E20: FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and / or the FAA's study regarding the potential hazard of the structure to aviation? ☐ Yes ☒ No

FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.

Points of Communication

Antenna

6/12/2018

17

Form 312 Schedule B Questions E1- E20

Labels

On the SITE information you will see

Click “Points of Communication” to define/add satellite(s)

Click “Antenna” to define/add Antenna(s)

Click “Add” on the SITE Information screen to add a SITE.

1 copy of this form section exists.

SITE INFORMATION

E1: Site Identifier:	Site A	E5: Call Sign:	
E2: Contact Name:	joe Blow	E6: Phone Number:	1234567890
E3: Street:	Willow	E7: City:	Manchester
		E8: County:	
E4: Zipcode:	03102	E9: State:	NH

NOTE: The address requested here is for the earth station location - not your mailing address.

E10: Area of Operation: New Hampshire

E11: Latitude 42 ° 58 ' 26.7 " N E12: Longitude 71 ° 29 ' 6.7 " W

E13: Lat/Lon. Coordinates are: ☐ NAD-27 ☒ NAD-83 ☐ N/A

E14: Site Elevation (AMSL): 0 meters

E15: If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as Attachment a technical analysis showing compliance with two-degree spacing policy. ☒ Yes

E16: If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements? ☐ Yes

E17: Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. Remote Control ☐ Yes

E18: Is frequency coordination required? If YES, attach a frequency coordination report as Attachment ☐ Yes

E19: Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as Attachment ☐ Yes

E20: FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and / or the FAA's study regarding the potential hazard of the structure to aviation? Attachment ☐ Yes

FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.

Points of Communication Antenna

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 - 80 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Office of Management and Budget, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection of information if you send them to Perm@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays this notice number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Reset Add Previous Validate Menu

Form 312 Schedule B Questions E21- E24

- Identify what satellite Site Identifier A is operating with. We chose “Permitted List”
- This applicant does not claim any link to destination points because it is a receive only earth station.
- If you would like to add another satellite Point of Communication, validate this information, then click the add button.
- If there are no more PoCs, click Validate, then previous

1 copy of this form section exists.

Approved by OMB
Control No. 3060-0678

POINTS OF COMMUNICATION

Site Identifier: Site A

Satellite Name: **PERMITTED LIST** ☐ If you selected OTHER, please enter the following

E21: Common Name: **PERMITTED LIST** E22: ITU Name:

E23: Orbit Location: E24: Country:

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 - 80 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to Perm@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Form 312 Schedule B Questions E25- E27

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 - 80 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERF, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to Perm@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Approved by OMB
Control No. 3060-0678

POINTS OF COMMUNICATION (Destination Points)

E25: Site Identifier: Site A

E26: Common Name:

E27: Country: USA

Reset

Add

Previous

Validate

Menu

Form 312 Schedule B Questions E28- E40

Answer all the questions.

Validate.

Then click on Antenna Gain and complete those questions

FEDERAL COMMUNICATIONS COMMISSION

SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

1 copy of this form section exist.

Approved by OMB
Control No. 3060-0678

ANTENNA
Site Identifier: Site A

E28: Antenna ID:	16 M	E29: Quantity:	1
E30: Manufacturer:	GenDynamics	E31: Model:	BIG

E32: Diameter (meters):	16
E33: Diameter Minor (meters):	16
E34: Diameter Major (meters):	16
E35: Maximum Antenna Height Above Ground Level (meters):	0
E36: Maximum Antenna Height Above Mean Sea Level (meters):	20
E37: Building Height Above Ground Level (meters):	0
E38: Total Power at Antenna Flange for All Carriers(Watts):	0
E39: Maximum Antenna Height Above Rooftop (meters):	0
E40: Total EIRP for All Carriers (dBW):	0

Antenna Gain Frequency Frequency Coord

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

Form 312 Schedule B Questions E41

Please enter a main beam gain at the center frequency of the frequency band that you are applying for.

Validate your entry, then click Previous to return to the Antenna page.

1 copy of this form section exist.

Approved by OMB
Control No. 3060-0678

ANTENNA GAIN
Site Identifier: Test1 Antenna ID: Ace2

E41: Antenna Gain Transmit and/or Receive	45.9	dBi at E42:	6	GHz
---	------	-------------	---	-----

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 - 80 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to Perm@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Form 312 Schedule B Questions

Click on Frequency button

1 copy of this form section exist.

Approved by OMB
Control No. 3060-0678

ANTENNA
Site Identifier: Site A

E28: Antenna ID:	<input type="text" value="16 M"/>	E29: Quantity:	<input type="text" value="1"/>
E30: Manufacturer:	<input type="text" value="GenDynamics"/>	E31: Model:	<input type="text" value="BIG"/>
E32: Diameter (meters):	<input type="text" value="16"/>		
E33: Diameter Minor (meters):	<input type="text" value="16"/>		
E34: Diameter Major (meters):	<input type="text" value="16"/>		
E35: Maximum Antenna Height Above Ground Level (meters):	<input type="text" value="0"/>		
E36: Maximum Antenna Height Above Mean Sea Level (meters):	<input type="text" value="20"/>		
E37: Building Height Above Ground Level (meters):	<input type="text" value="0"/>		
E38: Total Power at Antenna Flange for All Carriers(Watts):	<input type="text" value="0"/>		
E39: Maximum Antenna Height Above Rooftop (meters):	<input type="text" value="0"/>		
E40: Total EIRP for All Carriers (dBW):	<input type="text" value="0"/>		

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 - 80 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PER, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to Perm@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Form 312 Schedule B Questions 43-50

Answer all questions, validate,
then click on previous.

1 copy of this form section exist.

Approved by OMB
Control No. 3060-0678

FREQUENCY
Site Identifier: Site A Antenna ID:16 M

E43: Frequency Lower (MHz) : 3700	E44: Frequency Upper (MHz) :
E45: T/R Mode: R	E46: Polarization:
E47: Emission Designator: 36M0G7D	
E48: Maximum EIRP per Carrier (dBW):	
E49: Maximum EIRP Density per Carrier (dBW):	
E50: Modulation and Services :	Video

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 - 80 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20534. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to Perm@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Reset Add Previous Validate Menu

Form 312 Schedule B Questions

Click on Frequency
Coordination button

1 copy of this form section exist.

Approved by OMB
Control No. 3060-0678

ANTENNA
Site Identifier: Site A

E28: Antenna ID:	<input type="text" value="16 M"/>	E29: Quantity:	<input type="text" value="1"/>
E30: Manufacturer:	<input type="text" value="GenDynamics"/>	E31: Model:	<input type="text" value="BIG"/>

E32: Diameter (meters):	<input type="text" value="16"/>
E33: Diameter Minor (meters):	<input type="text" value="16"/>
E34: Diameter Major (meters):	<input type="text" value="16"/>
E35: Maximum Antenna Height Above Ground Level (meters):	<input type="text" value="0"/>
E36: Maximum Antenna Height Above Mean Sea Level (meters):	<input type="text" value="20"/>
E37: Building Height Above Ground Level (meters):	<input type="text" value="0"/>
E38: Total Power at Antenna Flange for All Carriers(Watts):	<input type="text" value="0"/>
E39: Maximum Antenna Height Above Rooftop (meters):	<input type="text" value="0"/>
E40: Total EIRP for All Carriers (dBW):	<input type="text" value="0"/>

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 - 80 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to Perm@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Form 312 Schedule B Questions 51-60

Complete all questions.

You can calculate the azimuth and elevation values for the east most satellite and the west most satellite by using an internet satellite pointing calculator such as <http://www.satsig.net/ssazelm.htm>

Validate and select previous to continue.

FEDERAL COMMUNICATIONS COMMISSION SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)	
FOR OFFICIAL USE ONLY <i>1 copy of this form section exist.</i>	
Approved by OMB Control No. 3060-0678	
FREQUENCY COORD Site Identifier: Site A Antenna ID: 16 M	
E51: Satellite Orbit Type: E52: Lower Frequency Limit (MHz) : E53: Upper Frequency Limit (MHz) : E54: Range of Satellite Arc Eastern Limit: E55: Range of Satellite Arc Western Limit: E56: Earth Station Azimuth Angle Eastern Limit: E57: Antenna Elevation Angle Eastern Limit: E58: Earth Station Azimuth Angle Western Limit: E59: Antenna Elevation Angle Western Limit: E60: Maximum EIRP Density toward the Horizon (dBW/4KHz):	<div style="margin-bottom: 5px;">Geostationary ▼</div> <div style="margin-bottom: 5px;">3700</div> <div style="margin-bottom: 5px;">4200</div> <div style="margin-bottom: 5px;">40 W ▼</div> <div style="margin-bottom: 5px;">120 W ▼</div> <div style="margin-bottom: 5px;">135</div> <div style="margin-bottom: 5px;">36</div> <div style="margin-bottom: 5px;">284</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">-24</div>
FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT The public reporting for this collection of information is estimated to average 2 - 80 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to Perm@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS. Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678 THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.	
<div style="display: flex; justify-content: space-around;"> Reset Add Previous Validate Menu </div>	

Form 312 Schedule B Questions 54-59
Values

Orange Lines are Vectors from an earth station to a satellite on the GSO Orbit. Together they describe a satellite arc.

Blue line identifies the antenna azimuth from True North to the Vector pointing to "AMC-4"

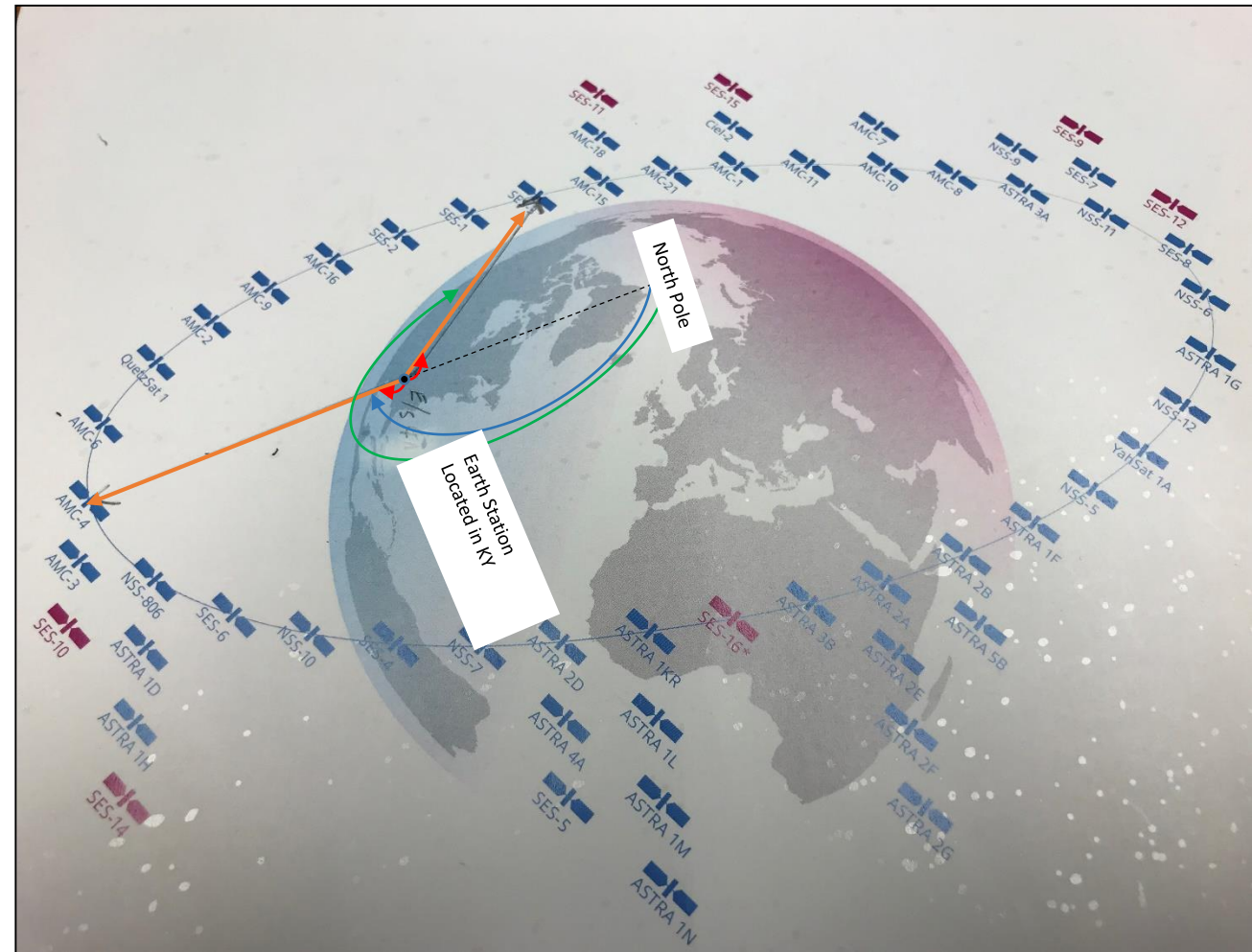
Green Line identifies the antenna azimuth from True North to the Vector pointing to "SES-3"

Red Lines represent the antenna elevations to the vectors pointed to each satellite.

If you indicate "Permitted List" in E21 then the orbital location of the satellite at the end of the vector point to AMC-4 would be the eastern limit required E54; to SES-3 Western limit in E55; E56 would be the angle from true north represented by blue line, E57 would be the angle from true north represented by green line.

Red lines are the angle of elevations of the antenna from the earth to each vector.

Calculate azimuths and angles using an earth to satellite pointing calculator on the internet such as <http://www.satsig.net/ssazelm.htm>



One location, multiple antennas

If you are registering more than one antenna at a single location, select Add to create another antenna form.

Fill in the additional form, including all the subforms (Antenna Gain, Frequency, and Frequency Coord) for each antenna added.

2 copies of this form section exist.

Approved by OME
Control No. 3060-067

ANTENNA
Site Identifier: Test1

E28: Antenna ID:	<input type="text"/>	E29: Quantity:	<input type="text"/>
E30: Manufacturer:	<input type="text"/>	E31: Model:	<input type="text"/>

E32: Diameter (meters):	<input type="text"/>
E33: Diameter Minor (meters):	<input type="text"/>
E34: Diameter Major (meters):	<input type="text"/>
E35: Maximum Antenna Height Above Ground Level (meters):	<input type="text"/>
E36: Maximum Antenna Height Above Mean Sea Level (meters):	<input type="text"/>
E37: Building Height Above Ground Level (meters):	<input type="text"/>
E38: Total Power at Antenna Flange for All Carriers(Watts):	<input type="text"/>
E39: Maximum Antenna Height Above Rooftop (meters):	<input type="text"/>
E40: Total EIRP for All Carriers (dBW):	<input type="text"/>

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 - 80 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to Perm@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Once you complete all questions for each site and antenna, you are ready to submit your application.

How to submit your application for processing.

1. Ensure your draft is VALID
2. Select the Radio Button on the left
3. File a Form

When you “File A Form”, you will be asked to confirm your request and you will receive a confirmation screen when successfully submitted.

Return to the Main Menu for Step 4 – Form 159 Menu, if a fee is required.

[Return to MyIBFS workspace](#)

IBFS Converted Account(s)
 [REDACTED]
 [REDACTED]

Form 159 Menu
Delete a Form
File a Form
Copy a Form
Update FRN
Withdraw Application

DRAFTS

Select	Form Title - Description	Status/Ref No.
<div style="display: flex; align-items: center;"> 2 <input checked="" type="radio"/> </div>	<div style="display: flex; justify-content: space-between;"> EARTH STATION AUTHORIZATIONS - 312 MAIN FORM 1 </div> <div> Example RCV Only Earth Station Application Application Submission ID: NOT SET Applicant FRN: 0004336939 </div> <div style="text-align: right;"> HTML Attachments </div>	<div style="border: 1px solid red; border-radius: 50%; padding: 2px; display: inline-block;">VALID</div>
	EARTH STATION AUTHORIZATIONS - 312 MAIN FORM <small>DO NOT FILL USING CORES FRN DATA</small>	SAVED

Are you sure you want file this form - EARTH STATION AUTHORIZATIONS - 312 MAIN FORM. A Form 159 must be completed for all FCC filings with associated fees. Please consult the FCC's International and Satellite Services Fee Filing Guide for details.

OK
Cancel

4

3

2

1

Ensure you
 configure your
 connection to
 ALLOW POP-UP's

Account number: 456919

Listed below are all filed applications for account number **456919** that have an associated payment type and have not previously been entered on a Form 159. Please select the application(s) you wish to enter on this Form 159.



Before clicking Continue, please ensure that you have either disabled your browser's Popup blocker or configured your browser to allow Popup Windows from <http://svartifoss2.fcc.gov>. When you click Continue, a new window will open taking you to the FCC's Fee Filer System.

Form 159 Menu Screens

- Select the application
- Be sure your popup blocker is OFF/popups are allowed
- Continue with Form 159
- Click Ok on the warning message

Select	Form Title - Description	Status/ Ref No.
<input checked="" type="checkbox"/>	SPACE STATION SPECIAL TEMPORARY AUTHORITY Description Application Submission ID: IB2001000695	FILED - PENDING FEE VERIFICATION
<input type="checkbox"/>	INTERNATIONAL SECTION 214 APPLICATION Used for FCBA Meeting Application Submission ID: IB2003000340	FILED - PENDING FEE VERIFICATION

Continue with Form 159

Return to Main Menu

From licensing.fcc.gov

Warning: Fee may already have been paid for at least 1 of the applications chosen

OK

Cancel

Electronic Form 159 page will open, often UNDER your current window.

Log in and continue through the Fee Filer screens.

You will have an opportunity to save/print your Form 159 for your records before returning to MyIBFS.

Electronic Form 159

FCC | Fees | Electronic Form 159 < FCC Site Map

For many filings the Applicant is the Payer. However, if the Payer is a third party, the Payer's FRN will be different from that of the Applicant. Enter your FCC Registration Number (FRN) and password or FCC Username and password to log into the Form 159 system.

If logging in with your secure FCC Username and password, the Form 159 system will prompt you to choose an FCC Registration Number (FRN) associated with the Username. Once an FRN has been selected, the Form 159 system will direct you to the Payment Selection screen. If the Payer does not have a valid FRN, you must register online in the [FRN Registration System](#) and return to Form 159 to complete payment process.

Please Note: Users are now able to log in with a Username account created through the [FCC User Registration System](#). Registering for a Username will allow a user to create, associate, and manage multiple FRNs through the [Commission Registration System \(CORES\)](#). For now, users may also continue to log into the Form 159 system with an FRN.

Notice: Online payments will not be available Saturday, May 12 2018 after 6:00 PM ET due to planned maintenance. The FCC anticipates that service will be restored by 12:00 AM Eastern Time. Users may continue to print the Form 159 to remit payment via mail or fax.

Note: Payer Information will be pre-filled from the FRN Registration System database.

To use this Form 159 you must have the Adobe Reader® installed (Version 4.0 or higher). You may [download](#) and install the reader now, or learn [more](#) from Adobe.

Username Login
Note: The Username is the email address associated with your FCC Username Account.
Username:
Password:
LOG IN

Need a Username?
REGISTER
[Forgot your Username?](#)
[Forgot/Reset your Password?](#)

Payer FRN Login
Payer FRN:
Password:
LOG IN
Need an FRN? [Register with the FCC](#) to get one. [Forgot your FRN password?](#)

- If you need to withdraw the application, go to Other IBFS Filings
- Select the radio button to the left of the application
- Click the “Withdraw Application” button

MyIBFS Federal Communications Commission

Welcome [User] | Workspace | **Inbox** | Outbox | Help | Logout

Start New Application / Action
 Streamlined Authorization (Form 312 EZ) [GO]

My IBFS Workspace
 Show Me: [ALL] For the Last [30] Days [GO]

Application Tools: [Please select an Action] [GO]

My Filings	My Drafts	My Completed Actions	Other IBFS Filings
Select	File Number / Application Description	CallSign / Applicant Name / Application FRN	Date Filed / Status / Days to Pay

FILE

FILED - PAYMENT RECEIVED OR EXEMPT

Select	Form Title - Description	Status/ Ref No.
<input checked="" type="radio"/>	<u>EARTH STATION AUTHORIZATIONS - 312 MAIN FORM</u> Example RCV Only Earth stations application Application Submission ID: IB2018001519 Applicant FRN: 0018806893 Filed: May 14 2018 6:05:30:463PM	FILED
	HTML Attachments	

[Form 159 Menu](#)
[Delete a Form](#)
[File a Form](#)
[Copy a Form](#)
[Update FRN](#)
[**Withdraw Application**](#)

Review:

- To register an earth station at one location consisting of one antenna: File one Form 312, one Schedule B , one Site ID and one Antenna ID.
- To register an earth station at one location consisting of multiple antennas: File one Form 312, one Schedule B, one Site ID and two or more Antenna IDs.

Freeze and Filing Window Q&A (1/2)

- On May 14, 2018, the Commission released a Q&A on the freeze and filing window. The following are responses to additional questions that we have received since then.
- *Can I file one earth station application for multiple antennas if they are all located at the same site?*
 - Yes, applicants may include all receive antennas located at the same geographic location under the same earth station application. Each antenna and its associated characteristics should be identified on the Form 312 Schedule B.
- *What if I have a modification that isn't identified as an exception to the freeze?*
 - Applicants who seek a modification to existing earth station authorizations (other than a modification to correct inaccurate technical data in the file) should request a waiver of the freeze as part of their applications. The request should include a brief narrative justification explaining the nature and scope of the waiver request, explain how public interest will be served by the waiver, and explain how the purpose of the freeze will not be undermined by grant of the waiver.

Freeze and Filing Window Q&A (2/2)

- *My earth station is old and I can't find the manufacturer and/or model number. How can I provide the technical characteristics?*
 - Earth station operators should make every effort to provide the specific technical characteristics of their antenna when filing an application. However, where such information is unavailable, earth station operators may provide the frequency band and antenna size.